one; indeed the objection may possibly be raised that sometimes the discussions are too brief, that in his endeavor to give credit to a wide range of opinions without becoming bulky, the author assumes a degree of familiarity with the subject on the reader's part and often forces him to some wholesome mental exercise in the way of reading between the lines.

The first part of the book, comprising 230 pages, is devoted to general considerations, including the more essential known facts in etiology, symptomatology, and treatment; the remainder of the book is given to the clinical description of disease-groups. In his scheme of classification Paton follows the "clinical" method, and he deals with the subject under the following heads:

(1) *Mental anomalies the result of defective development of the central nervous system.*

(2) *Psychoses which are probably in part the result of autointoxication.*

(3) *Psychoses the result of chronic intoxications.*

(4) *Psychoses associated with imperfect functioning of the thyroid gland.*

(5) *The manic-depressive group.*

(6) *The dementia præcox group.*

(7) *The dementia paralytica group.*

(8) *The epilepsy group.*

(9) *The hysteria group.*

(10) *Neurasthenic and psychasthenic states.*

(11) *Psychoses associated with organic disease of the central nervous system.*

(12) *The paranoia group.*

(13) *The senile group. Psychoses connected with the period of senile involution.*

Pleasantly conspicuous by their absence are the "symptomatic sub-groups" which exist in dozens in many text-books, and which are no more than names of isolated symptoms, if not indeed of mere surface appearances, which are thus assumed to represent disease varieties.

The treatment in general is a conservative one, the maniaco-depressive and dementia præcox groups are designated as provisional differentiations, which have been made, however, on principles "which are consistent with and not antagonistic to progress." The old epochal psychoses have been eliminated and in their places are discussed the predilection of certain pathologic mental conditions for certain periods of life, as well as the influence of the age of the patient in modifying the clinical manifestations in any given disease form.

The criticism may be made that the work is not pre-eminently adapted to the needs of the student who is totally unfamiliar with the subject and who is anxious for categoric statements and final facts. To the student, however, who is trained from the beginning to methods of research, and who esteems the process of personal investigation and careful analysis, of weighing opinions, and of tentative conclusion, above the acquiring of information by way of didactic dogmatism, an exposition of mental diseases such as the one under consideration will prove a wholesome guide.

CLARENCE B. FARRAR.

A Text-book of Physiology, Normal and Pathological. For Students and Practitioners of Medicine. By WINFIELD S. HALL, PH. D. (Leipzig), M. D. (Leipzig), Professor of Physiology, Northwestern University Medical School, Chicago. Second edition, revised and enlarged. Illustrated with 340 engravings and three colored plates. (*Philadelphia and New York: Lea Brothers & Co., 1905.*)

In this comprehensive work the author has endeavored to present as concisely as possible, not only physiology properly so-called, but such parts of allied subjects as might be considered useful in throwing light upon the central theme. Consequently one finds scattered throughout the book chapters or paragraphs relating to chemistry and physics, embryology and anatomy, pharmacology and pathology, clinical microscopy and clinical medicine; nor does the historical aspect of the subject fail to receive a passing word.

In order to present this vast amount of material within the compass of 800 pages (containing many illustrations), the author has been obliged to employ the greatest possible brevity. This fact not only renders the book very unattractive reading—in which respect it differs but little from the majority of text-books—but often places the sense a little beyond the grasp of the student who is approaching the subject for the first time. Moreover a condensation which necessitates the allotment of but six lines to the Young-Helmholtz theory of color-vision, one-half page to color-blindness, three-quarters of a page to the splanchnic nervous system, three pages to the vasomotors and so forth, is not likely to give the beginner a very clear conception of the subjects in question.

If the work be regarded as a compend, that is, an aid to the student in reviewing before examination, then its size and the diversity of the material which it contains may somewhat impair its usefulness, while viewed as a dictionary of the medical sciences, it may be a little incomplete and lacks the convenience of an alphabetical arrangement.

The author is a teacher of some experience and the publication of this second edition is doubtless the response to a demand, and there is every reason to believe that where this demand exists the work will meet with the approval of teachers of physiology, especially as it is apparently up to date and contains much valuable information.

INDEX TO VOLUME XVI OF THE JOHNS HOPKINS HOSPITAL BULLETIN.

Abnormalities in the form of the kidney and ureter dependent on the development of the renal bud, 51.
Accessory and twisted omentum, 401.
Agglutination reactions of the Bacillus dysenteriæ (Shiga) with the blood serum of patients suffering with summer diarrhea, report upon, 93.
Amick, A. L., and Stokes, W. R., Typhoid appendicitis without other intestinal lesions, 284.
Anatomical laboratory of the University of California, 32.
Anatomical material—its collection and its preservation at the Johns Hopkins Anatomical Laboratory, 38.
Anemia, aplastic, associated with lymphoid hyperplasia of the bone-marrow, 127.
Anemia, pernicious, etiology and pathogenesis of, 222.
Aneurysm, aortic, unusually large, 331.
Announcement concerning graduate instruction in the Medical Department of the Johns Hopkins University, 70.
Bacillus aërogenes capsulatus in puerperal infection, 136.
Bacillus dysenteriæ (Shiga), agglutination reactions of, with the blood serum of patients suffering with summer diarrhea, 93.
Bacillus violaceus Manilæ, 89.
Baer, W. S., and Kennard, H. W., The diagnostic value of tuberculin in orthopedic surgery, 13.
Barker's Manual, teaching of anatomy as illustrated by, 29.
Bile, effect of, upon the ester-splitting action of pancreatic juice, 20.
Birge, E. G., Some observations on the occurrence of Micrococcus zymogenes, 309.
Blood-vessels, partial occlusion of, especially of the abdominal aorta, 346.

Blumer, G., Aplastic anemia associated with lymphoid hyperplasia of the bone-marrow, 127.
Books received, 26, 204, 312.
Bowley, R. L., and Clark, A. H., A case of Cæsarean section following ventral fixation, 101.
Brachial artery, high bifurcation of, with reunion at the elbow, 65.
Brem, W. V., Action of the toxic agent of lobar pneumonia: Therapeutics, 321.
Briggs, J. B., Recurring phlebitis of obscure origin, 228.
Bunting, C. H., The etiology and pathogenesis of pernicious anemia, 222.
Cæsarean section following ventral fixation, case of, 101.
Calvert, W. J., A convenient still to make absolute alcohol, 68; A practical method of demonstration, 19; Movability of the heart in pneumothorax, 300.
Cancer in mice (adeno-carcinoma, Jensen), development of, 130.
Carcinoma of the prostate, early diagnosis and radical cure of, 315.
Carcinoma, primary, of the right Fallopian tube, 397.
Cardiograms obtained from a case of operative defect in the chest wall, 394.
Chatard, J. A., Acute pericarditis complicating acute lobar pneumonia, 334.
Christian, H. A., Some newer aspects of the pathology of fat and fatty degeneration, 1.
Churchman, J. W., A case of congenital urethral stricture associated with hematuria and symptoms suggesting renal disease, 256.
Circulation of the blood, history of—contributions of the Italian anatomists and physiologists—their bearing upon the discovery by Harvey, 165.
Clark, A. H., and Bowley, R. L., A case of Cæsarean section following ventral fixation, 101.
Clarke, T. W., Repeated copious hemoptysis from an aortic aneurism, extending into the right lung and finally rupturing into the pleura, 98.
Clowes, G. H. A., Preliminary communication regarding an immune body capable of inhibiting the development of cancer in mice (adeno-carcinoma, Jensen), 130.
Comparative surgery, 179.
Cordell, E. F., Dr. Charles Frederick Wiesenthal's medical reports, 407; Dr. Heinrich or Henry Keerl, of Baltimore, the "Hessian Surgeon," 133.
Cornell, W. B., Infantile paralysis of the abdominal muscles, with report of a case, 11.
Correspondence: Dewis, J. W., Early autopsies at St. Croix Island, 199; Rose, A., Knowledge of Greek and corruption of language, 263.
Cotton Mather's rules of health, 293.
Crile, G. W., Surgical physiology, 269.
Cullen, T. S., Fibroma of the abdominal wall; Primary carcinoma of the right Fallopian tube; An accessory and twisted omentum, 397; Vaginal cysts, 207.
Cushing, H., The special field of neurological surgery, 77.
Cushing, H., and others, Comparative surgery, 179.
Cyst, acquired, of the conjunctiva containing an embryonic tooth-like structure, case of, 308.
Demonstration (of relation of organs), practical method of, 19.
Developmental relations of the kidney and ureter in human embryos, note on, 49.
Diagnostic value of tuberculin in orthopedic surgery, 13.
Diaphragmatic grooves on the liver, 364.
Discussion: Dr. Baer, Gonorrhœal exostoses of the calcaneus, 385; Dr. Briggs, Recurring phlebitis of obscure origin, 111;—Dr. Browne, Recurring phlebitis of obscure origin, 111;—Dr. Cole, Experimental streptococcus arthritis, 115;—Dr. Emerson, History of blood platelets, 201;—Dr. Finney, Peripancreatic abscess, 148;—Dr. Futcher, Adeno-carcinoma of the umbilicus, 110; Cancer of liver, 110;—Dr. Howell, Surgical physiology, 202;—Dr. MacCallum, Arteriovenous aneurism of the thigh, 119; Biliary cirrhosis of family type, 113;—History of typhoid fever, 414;—Dr. Osler, Arteriovenous aneurism of the thigh, 119; Typhoid fever showing some unusual features, 119;—Dr. Pancoast, Gastric ulcer, 118;—Dr. Welch, History of typhoid fever, 414; The immunization of mice to cancer, 146.
Endocarditis in tuberculosis, 303.
Erlanger, J., A report of some observations on heart-block in mammals, 234; Cardiograms obtained from a case of operative defect in the chest wall, 394.
Ester-splitting action of pancreatic juice, effect of bile upon, 20.
Fat and fatty degeneration, some newer aspects of the pathology of, 1.
Faure, J. D., The surgery of the posterior mediastinum; its past and its future, 125.
Fibroma of the abdominal wall, 397.
Fixation of tissues by injection into the arteries, 66.
Flechsig's investigations on the brain, 45.
Flint, J. M., The anatomical laboratory of the University of California, 32.
Freese, J. A., The force of contraction of the gall-bladder and the course of its motor and inhibitory nerve fibers, 235.
Gall-bladder, force of contraction of, and the course of its motor and inhibitory nerve fibers, 235.
Goitre, exophthalmic, pathological anatomy of, 287.
Grave robbing in England, development of, 42.
Halsted, W. S., The partial occlusion of blood-vessels, especially of the abdominal aorta, 346.
Harris, H., Renal decapsulation in nephritis, with report of a case, 404.
Heart-beat, rise of the present conceptions as to the cause of, 338, 377.
Heart-block in mammals, report of some observations on, 234.
Helmholz, H. F., and Little, H. M., Situs transversus and atresia of the pylorus, 249.
Hemiplegia, right-sided infantile, case of, 21.
Hemmeter, J. C., The history of the circulation of the blood—contributions of the Italian anatomists and physiologists—their bearing upon the discovery by Harvey, 165.
Hemoptysis from an aortic aneurism, extending into the right lung and finally rupturing into the pleura, 98.
Herrinton, Minerva, High bifurcation of the brachial artery with reunion at the elbow, 65.
Herter lectures: The contributions of pharmacology to physiology, 351, 389.
Hewlett, A. W., The effect of the bile upon the ester-splitting action of pancreatic juice, 20.
Hildanus, Fabricius Guilhelmus, the father of German surgery, 7.
Hill, E. C., On the first appearance of the renal artery, and the relative development of the kidneys and Wolffian bodies in pig embryos, 60.
History of the circulation of the blood, 165.
History of medicine in Maryland during the Revolution, contribution to, 241.
Hough, W. H., A case of unusually large aortic aneurysm, 331.
Howell, W. H., Announcement concerning graduate instruction in the Medical Department of the Johns Hopkins University, 70.
Hyperplasia of the chromophile cells of the hypophysis as the cause of acromegaly, with report of a case, 157.
Immune body capable of inhibiting the development of cancer in mice, 130.
Infantile paralysis of the abdominal muscles, with report of a case, 11.
Keerl, Dr. Heinrich or Henry, of Baltimore, the "Hessian Surgeon," 133.

Kennard, H. W., and Baer, W. S., The diagnostic value of tuberculin in orthopedic surgery, 13.
Kidney and ureter, abnormalities in the form of, dependent on the development of the renal bud, 51.
Kidney and ureter, developmental relations of, in human embryos, 49.
Lewis, D. D., Hyperplasia of the chromophile cells of the hypophysis as the cause of acromegaly, with report of a case, 157.
Little, H. M., The Bacillus ærogenes capsulatus in puerperal infection, 136.
Little, H. M., and Helmholz, H. F., Situs transversus and atresia of the pylorus, 249.
MacCallum, W. G., Marcello Malpighi, 1628-1694, 275; The pathological anatomy of exophthalmic goitre, 287; Tumor of the parathyroid gland, 87.
Mall, F. P., Anatomical material—its collection and its preservation at the Johns Hopkins Anatomical Laboratory, 38; On the teaching of anatomy as illustrated by Professor Barker's Manual, 29.
Malpighi, Marcello, 1628-1694, 275.
Marshall, H. T., Endocarditis in tuberculosis, 303.
Martin, E. G., The rise of the present conceptions as to the cause of the heart-beat: I. Early ideas and the myogenic theory, 338; II. The myogenic theory and modern studies of rhythmicity, 377.
Meyer, H., The contributions of pharmacology to physiology, 351, 389.
Micrococcus zymogenes, observations on the occurrence of, 309.
Miller, E. F., A multiplex slide-holding device, 132.
Miller, W. S., A needle and clamp for injecting lymphatics, 273.
Moody, R. O., Diaphragmatic grooves on the liver, 364.
Movability of the heart in pneumothorax, 300.
Multiplex slide-holding device, 132.
Myers, B. D., Fixation of tissues by injection into the arteries, 66.
Myogenic theory and modern studies of rhythmicity, 377.
Myogenic theory, early ideas and, 338.
Needle and clamp for injecting lymphatics, 273.
Nephritis, renal decapsulation in, 404.
Neurological surgery, special field of, 77.
Notes and news, 24.
Notes on new books, 25, 120, 150, 202, 239, 265, 289, 311, 347, 387, 414; American year-book of medicine and surgery: Medicine, 266; Surgery, 289;—Appleton's medical dictionary, 25;—Balfour, A., First report of the Wellcome Research Laboratories, 120;—Ball, J. M., Modern ophthalmology, 152;—Ball, M. V., Essentials of bacteriology, 290;—Barr, M. W., Mental defectives, their history, treatment, and training, 124;—Beebe, S. P., and Buxton, B. H., Outlines of physiological chemistry, 291;—Benedict, A. L., Practical dietetics, 203;—von Bergmann's System of practical surgery (vol. v), 311;—Bishop, S. S., Diseases of the nose, throat and ear, 124;—Blair, C., Errors of refraction and their treatment, 312;—Blake, E., The intestinal catarrhs, 347;—Böhm, A. A., and others, A text-book of human histology, 120;—Bolton, H. C., The follies of science at the Court of Rudolph II, 1576-1612, 239;—Brubaker, A. P., A text-book of human physiology, 120;—Burton-Fanning, F. W., The open-air treatment of pulmonary tuberculosis, 291;—Bryant, J. D., Operative surgery, 348;—Cattell, H. W., Post-mortem pathology, 204;—Clouston, T. S., Clinical lectures on mental diseases, 289;—Colbeck, E. H., Diseases of the heart, 290;—Collie, A., The infectivity of enteric fever, 123;—Constant, T. E., The naked-eye anatomy of the human teeth, 289;—Cross, M. I., and Cole, M. J., Modern microscopy, 203;—Davis, A. E., and Beaman, D., Eye, ear, nose, and throat nursing, 151;—Davis, E. P., A treatise on obstetrics, 292;—Draper, F. W., A text-book of legal medicine, 239;—Dudley, E. C., The principles and practice of gynecology, 387;—Dürck, H., Atlas and epitome of general pathologic histology, 151;—Edebohls, G. M., The surgical treatment of Bright's disease, 123;—Farabeuf et Varnier, Introduction à l'étude clinique et à la pratique des accouchements, 292;—Friedenwald, J., Diet in health and disease, 203;—Gould, G. M., Biographic clinics (vol. iii), 415;—Gowers, W. R. Lectures on diseases of the nervous system, 347;—Graetzner, E., Practical pediatrics, 204;—Griffith, F. R., A hand-book of surgery, 152;—Griffiths, L. M., Medical philology, 291;—Haab, O., Atlas and epitome of operative ophthalmology, 266;—Hall, G. S., Adolescence, 154;—Hall, W. S., A manual of experimental physiology, 121; A text-book of physiology, normal and pathological, 417;—Hare, H. A., A text-book of the practice of medicine, 290;—Hartmann, H., Travaux de Chirurgie, 312;—Holland, J. W., A text-book of medical chemistry and toxicology, 291;—Holmes, B., Appendicitis, 151;—Hughes, D. E., A compend of the practice of medicine, 266;—International clinics (vol. iv, 13 s.), 122; (vol. iii, 14 s.), 151; (vol. iv. 14 s.), 312; (vol. ii, 15 s.), 415;—International medical annual, 266;—Jackson, E., The ophthalmic year-book, 266;—James, S. P., First report of the anti-malarial operations at Mian-Mir, 152; On a parasite found in the white corpuscles of the blood of dogs, 265; Oriental or Delhi sore, 265;—Jelliffe, S. E., An introduction to pharmacognosy, 154;—Jennings, J. E., Color-vision and color-blindness, 414;—Keen, W. W., Addresses and other papers, 387;—Laumonier, J., New methods of treatment, 25;—Love, J. K., Diseases of the ear, 152;—Lydston, G. F., The surgical diseases of the genito-urinary tract, 311;—Marion, G., Chirurgie du système nerveux, 415;—May, C. H., Manual of the diseases of the eye, 414;—McFarland, J., A text-book of pathology, 151;—Medical and surgical report of the Bellevue and allied hospitals, 415;—Medical epitome series, Practice of medicine, 415;—Mettler, L. H., A treatise on diseases of the nervous system, 266;—Morris, H., Essentials of materia medica and prescription writing, 124;—Musser, J. H., Medical diagnosis, 25;—Nancrede, C. B., Essentials of anatomy, 26;—Nothnagel's Encyclopedia, Diseases of the blood, 414;—Paton, S., Psychiatry, 416;—Progressive medicine (vol. i), 292;—Publications of Cornell University Medical College, 265;—Pusey, W. A., The practical application of the Röntgen rays in therapeutics and diagnosis, 150;—Pyle, W. L., A manual of personal hygiene, 121;—Records of the Egyptian Government School of Medicine, 120;—Reed, B., Lectures to general practitioners on the diseases of the stomach and intestines, 25;—Reed, W., and others, Report on the origin and spread of typhoid fever in the U. S. Military Camps during the Spanish War of 1898, 348;—Reese, A. M., An introduction to vertebrate embryology, based on the study of the frog and chick, 151;—Ricketts, B. M., The surgery of the heart and lungs, 265;—Rolleston, H. D., Diseases of the liver, gall-bladder, and bile-ducts, 153;—Rose, A., Atonia gastrica (abdominal relaxation), 414;—Rosenbach, O., Physician versus bacteriologist, 121;—St. Clair, M. T., A compend of medical Latin, 26;—Senn, N., A nurse's guide for the operating room, 291;—Shaw, J. C., Essentials of nervous diseases and insanity, 26;—Smolensky, P., Traité d'hygiene procédés rapides de recherche des falsifications et altérations, 152;—Stoney, E. M. A., Bacteriology and surgical technic for nurses, 267;—Sutherland, W. G., Dispensing made easy. 415;—The pharmacopoeia of the United States, 388;—Transactions of the American Röntgen Ray Society, 349;—Tyson, J., A treatise on Bright's disease and diabetes, 202;—Walsham, H., The channels of infection in tuberculosis, 152;—Walton, J. R., Natural science in hygiene, 415;—Welch, W. M., and Schamberg, J. F., Acute contagious diseases, 292;—Wharton and Stille's Medical Jurisprudence, 289;—Woodruff, C. E., The effects of tropical light on white men, 267;—Wright, A. H., A text-book of obstetrics, 387.
Occlusion, partial, of blood-vessels, especially of the abdominal aorta, 346.
Osler, W., Letter to the graduates of the Johns Hopkins Medical School, 410.
Ovariotomy at extremes of life, survey of, 102.

Pancreatitis, acute, observations on several cases of, 355.
Paralysis, infantile, of the abdominal muscles, 11.
Parathyroid gland, tumor of, 87.
Pathology of fat and fatty degeneration, 1.
Pericarditis complicating acute lobar pneumonia, 334.
Pharmacology, contributions of to physiology, 351, 389.
Phlebitis, recurring, of obscure origin, 228.
Physiology, surgical, 269.
Platt, W. B., Fabricius Guilhelmus Hildanus, the father of German surgery, 7.
Pneumonia, lobar, action of the toxic agent of. Therapeutics, 321.
Pneumothorax, movability of the heart in, 300.
Pohlman, A. G., A note on the developmental relations of the kidney and ureter in human embryos, 49.
Pohlman, A. G., Abnormalities in the form of the kidney and ureter dependent on the development of the renal bud, 51.
Practical method of demonstration, 19.
Proceedings of the Johns Hopkins Hospital Historical Club, 412: Hurd, H. M., John Howard's observations on hospitals (1773-1790), 412; McCrae, T., History of typhoid fever, 413.
Proceedings of the Johns Hopkins Hospital Medical Society, 109, 146, 200, 237, 264, 288, 384, 411: Baer, W. S., Painful heels, 264;—Baetjer, F. H., Thoracic aneurisms, 387;—Barker, L. F., Bilateral exostoses on the inferior surface of the calcaneus, gonorrheal in origin (Pododynia gonorrhoica), 384; Bronzed diabetes, with enlargement of the liver and palpable spleen, 385; Perichondritis, probably of gonorrheal origin, 385;—Boggs, T. R., Bacteriological observations in some cases of bronchiectasis, 288;—Bunting, C. H., Congenital cystic kidney, 411;—Churchman, J. W., Atheromatous cyst of the scrotum, 264; Bladder calculus in an infant, 264; Congenital urethral stricture, 264; Traumatic atrophy of the testicle, 265;—Clark, J. G., The cure of uterine cancer, 149;—Clowes, G. H. A., The immunization of mice to cancer, 146;—Cole, R. I., Case of typhoid fever showing some unusual features, 118; Cystic kidney, 411; Experimental streptococcus arthritis, 114; Pulsating empyema, 411;—Crile, G. W., The scope and problems of surgical physiology, 201;—Cullen, T. S., Accessory omentum, 237; Adenocarcinoma of the umbilicus, 110; Cancer of the liver, 110; Fibroma of abdominal wall, 237; Primary carcinoma of the tubes, 237; Sarcomatous myoma, 237;—Cushing, H., Comparative surgery, 238;—Dawson, P. M., The blood pressure in different parts of the arterial tree, 202;—Dunham, T., Apparatus for the treatment of fracture of the femur, 147; Treatment of esophageal structure, 147;—Erlanger, J., Heart-block in mammals, 202; Fayerweather, R., Infectious arthritis, 412;—Ford, W. W., Hanging block cultivation of bacteria, 149; Thermophilic bacteria, 149; The ultraviolet rays, 149;—Halsted, W. S., Clinical features of thyroid hypertrophy, 288; Partial occlusion of the aorta, 202;—Howard, C. P., Gastric tetany, 148; Gastric ulcer: Clinical varieties and symptoms, 116;—Jones, H. C., The electric theory of matter, 237;—Kelly, H. A., Professor Smith on the Jersey mosquito, 115;—Kemp, G. T., Histology of the blood platelets, 200;—Lewis, H. W., Experiments on amphibian embryos, 238;—MacCallum, W. G., Demonstration of pathological specimens, 111; The pathology of tetany, 148;—McCrae, T., Gastric ulcer, Diagnosis and medical treatment, 116;—Osler, W., A case of arteriovenous aneurism, 146; Biliary cirrhosis of family type, 112; Report of a case of arteriovenous aneurism of the thigh, 119; Report of a case of ulcerative endocarditis, with embolism of the aorta, 118; Résumé of history of blood platelets, 200;—Pratt, J. H., Relation of blood platelets to disease, 200;—Sampson, J. A., Pathology of cervical cancer, 150;—Smith, H. L., Synesthesia, 149;—Thayer, W. S., Peripancreatic abscess, 148;—Thompson, W. L., Analysis of 221 cases of typhoid fever, 264;—Watts, S. H., Loss of entire lower lip, 109;—Williams, J. W., Inversion of uterus, 386.
Renal artery, first appearance of, and the relative development of the kidneys and Wolffian bodies in pig embryos, 60.
Renal decapsulation in nephritis, with report of a case,
Reuling, R., A case of right-sided infantile hemiplegia, with a description of the pathological changes found in the brain and the spinal cord, 21.
Robinson, G. C., The development of grave robbing in England, 42.
Sabin, F. R., On Flechsig's investigations on the brain, 45.
Sarcoma of the eye, involving chiefly the ciliary body, 402.
Slide-holding device, multiplex, 132.
Smith, H. L., Synesthesia, 258.
Situs transversus and atresia of the pylorus, 249.
Steiner, W. R., A contribution to the history of medicine in Maryland during the Revolution, 1775-1779, 241.
Stieren, E., A case of acquired cyst of the conjunctiva containing an embryonic tooth-like structure, 308.
Still to make absolute alcohol, 68.
Stokes, W. R., and Amick, A. L., Typhoid appendicitis without other intestinal lesions, 284.
Summaries or titles of papers by members of the Hospital or Medical School staff appearing elsewhere than in the Bulletin: 73:—Abbott, A. C., Address in State Medicine, before the Pennsylvania Medical Society, 73; Annual report of the Bureau of Health of Philadelphia for 1903, 73; Opening address, McGill Medical Faculty, 73;—Amberg, S., Primary malignant tumor of both adrenal glands in a child of two months, with secondary affection of the liver, 73;—Bardeen, C. R., and Baetjer, H., The inhibitive action of the Röntgen rays on regeneration in planarians, 73;—Barker, L. F., Is a trip to Europe worth its cost to the medical man? 73; Italy and the great antimalarial campaign, 73; Laboratory manual of anatomy, 73; Spain and Ramon y Cajol, 73;—Barker, L. F., and Abderhalden, E., Ueber aminosauren im Harn, 74;—Baumgarten, W., The methylene-blue eosin stains, 74;—Blumer, G., and Lartigau, A. J., Healed and quiescent pulmonary tuberculosis, 74;—Boggs, T. R., Ueber Beinflussung der Gerinnungszeit des Blutes im lebenden Organismus, 74;—Churchman, J. W., Christian science, 74; The determination of renal capability: Its present status, 74;—Cole, R. I., Experimenteller Beitrag zur Typhusimmunität, 74; The prevention of typhoid fever, 74; Ueber die Agglutination verschiedener Typhusstämme, 74;—Cook, H. W., The prevention of tuberculosis, 74;—Cullen, T. S., Tuberculous stricture of the ascending colon, with sudden total obstruction of the bowel, 74;—Cushing H., Intradural tumor of the cervical meninges, 74; Perineal zoster, with notes upon cutaneous segmentation post-axial to the lower limb, 74; Pneumatic tourniquets, with especial reference to their use in craniotomies, 74;—Dunton, W. R., A new slide box; also a method of recording embedded tissue, 74;—Elting, A. W., Congenital stenosis of the pylorus, with the report of a case successfully operated upon, 74; The pathology and treatment of tetanus, 74; Toxemia in association with tuberculosis of the cervical lymphatic glands, 74;—Flexner, S., and Noguchi, H., Upon the production and properties of anti-crotalus vein, 74;—Ford, W. W., The early diagnosis of cirrhosis of the liver, considered from the pathological standpoint, 74;—Ford, W. W., and Halsey, J. T., Contributions to the study of agglutinins and hemolysins, 74;—Gilchrist, T. C., Some additional cases of blastomycetic dermatitis, 74;—Gwyn, N. B., Carcinoma of abdominal cavity, etc., 74;—Halsted, W. S., The training of the surgeon, 74;—Hamburger, L. P., Creeping eruption: Its relation to myiasis, 74;—Hamman, L. V., The blood in acute leukemia, 74;—Hewlett, A. W., On the occurrence of lipase in the urine as a result of experimental pancreatic disease, 74;—Hirshberg, L. K., Simple class-room method for growing anærobic cultures, 74;—Hunner, G. L., Surgery of urinary tuberculosis in women, 74;—Hurd, H. M., Is nursing a profession? 74;—Jones, W., Ueber das Enzym der Thymus-

drüse, 74; Ueber die Selbstverdauung von Nucleoproteiden, 74; —Kelly, H. A., Rubber cushions for general surgical gynecological and obstetric use, 74;—Knox, J. H. M., The prophylaxis of summer diarrhea, 74; The Thomas Wilson Sanitarium for sick children, 74;—Ladd, L. W., The character of the Widal reaction in the present epidemic of typhoid fever, 74;—Loevenhart, A. S., Ueber die Gerinnung der Milch, 74;—Lynch, F. W., Kaiserschnitt und schwere Geburtsstörung infolge Ventro-fixation und Suspension, 74; Pathology of eclampsia, 74;—MacCallum, W. G., Diseases due to organic insufficiency, 74;—Marshall, H. T., Antitoxic serums in the treatment of disease, 75;—McCrae, T., Athritis deformans. The report of a series of one hundred and ten cases from the Johns Hopkins Hospital, 75; The treatment of typhoid fever in the Johns Hopkins Hospital, 75;—Nuttall, G. H. F., Canine piroplasmosis, 75; Directions for preserving filariæ, 75;—Nuttall, G. H. F., and Inchley, O., An improved method of measuring the amount of precipitum in connection with tests with precipitating antisera, 75;—Nutting, M. A., A school for social workers, 75; State reciprocity, 75; The Tuberculosis Exposition, Baltimore, 75; Visiting nurses in the homes of tuberculous patients, 75;—Opie, E. L., An experimental study of the relation of cells with eosinophile granulation to infection with an animal parasite (Trichina spiralis), 75; Lesions peculiar to the pancreas and their clinical aspect, 75; The occurrence of cells with eosinophile granulation and their relation to nutrition, 75; The relation of cells with eosinophile granulation to bacterial infection, 75; Zonal necrosis of the liver, 75;—Osler, W., Chronic cyanotic polycythemia with enlarged spleen, 75; On the surgical importance of the visceral crises in the erythema group of skin diseases, 75; On the visceral manifestations of the erythema group of skin diseases, 75; —Perkins, R. G., Trypanosomiasis, 75;—Pleasants, J. H., The increasing mortality from pneumonia in Baltimore, and its causes, 75;—Robb, H., Acute dilatation of the stomach complicating an abdominal section, 75; Conservatism in pelvic surgery, 75; The early diagnosis of cancer of the fundus, with report of cases, 75; The streptococcus in gynecological surgery, 75;—Rosenheim, S., and Warfield, M., A case of fibroadenoma of the trachea, with remarks on tumor of the trachea in general, 75;—Schenck, B. R., The newer methods of detecting renal insufficiency. Cryoscopy and the phlorizin test, 75;—Spratt, C. N., An improved snare for the removal of the faucial tonsil, 75; The removal of septal spurs and the correction of deviations of the septum by more rational methods, 75;—Steiner, W. R., A case of typhoid fever presenting an arterial complication, probably an arteritis, 75; The Reverend Gershom Bulkeley, of Connecticut, an eminent clerical physician, 75;—Thayer, W. S., On the late effects of typhoid fever on the heart and vessels, 75;—Theobald, S., Are tenotomies for hyperphoria necessarily more uncertain in their results than those for esophoria and exophoria? 75;—Warfield, L. M., Grave anemia due to hookworm infection, 75; Observations on uncinariasis, 75; Summer diarrhea of infants, 75;—Woolley, P. G., Some pulmonary lesions produced by the bacillus of hemorrhagic septicemia of carabaos, 75; Frambesia: Its occurrence in natives of the Philippine Islands, 75;—Woolley, P. G., and Jobling, J. W., A report on hemorrhagic septicemia in animals in the Philippine Islands, 75.

Surgery, comparative, 179.

Surgery, neurological, special field of, 77.

Surgery of the posterior mediastinum; its past and its future, 125.

Surgical physiology, 269.

Synesthesia, 258.

Teaching of anatomy as illustrated by Professor Barker's Manual, 29.

Testing the ocular muscle balance for near, as well as for distant vision, importance of, 10.

Thayer, W. S., Cotton Mather's rules of health, 293; Observations on several cases of acute pancreatitis, 355.

Theobald, S., The importance of testing the ocular muscle balance for near, as well as for distant vision, 10.

Tissues, fixation of, by injection into the arteries, 66.

Tuberculin in orthopedic surgery, diagnostic value of, 13.

Tumor of the parathyroid gland, 87.

Typhoid appendicitis without other intestinal lesions, 284.

Urethral stricture, congenital, associated with hematuria and symptoms suggesting renal disease, 256.

Vaginal cysts, 207.

Wiel, H. I., A survey of ovariotomy at extremes of life. Report of a case in a girl aged 5, 102.

Wiesenthal's (Dr. Charles Frederick) medical reports, 407.

Winne, C. K., A report upon the agglutination reactions of the Bacillus dysenteriæ (Shiga) with the blood serum of patients suffering with summer diarrhea, 93.

Woolley, P. G., A case of sarcoma of the eye, involving chiefly the ciliary body, 402; Bacillus violaceus Manilæ, 89.

Young, H. H., The early diagnosis and radical cure of carcinoma of the prostate, 315.

ILLUSTRATIONS.

Infantile paralysis of the abdominal muscles (Plate I, Figs. 1-3), 12.

Diagram of thorax, abdomen and pelvis, 19.

Right-sided infantile hemiplegia (Plates I and II, Figs. 1-9), 22.

Anatomical laboratory of the University of California (Fig. 1), 34; (Fig. 4), 35; (Figs. 9 and 11), 36; (Plates III-VI, Figs. 2-3, 5-10, 12), 36.

Sections of brain (Plate VII, Figs. 1-4), 48.

Abnormalities in the form of the kidney and ureter, 53, 56 and 59.

Diagram showing relative size of the kidney and Wolffian body, 63.

Relative development of kidneys and Wolffian bodies (Plates VIII-IX, Figs. 1-7), 64.

Outline of brachial artery and its branches (Fig. 1), 65.

Improved injection apparatus (Fig. 1), 66.

Still for making absolute alcohol (Figs. 1-5), 69.

Right lung showing aneurism, 100.

Gross appearance of longitudinal section of tumefied ovary with adherent tube, 108.

Multiplex slide-holding device, 132.

Hyperplasia of the chromophile cells of the hypophysis as the cause of acromegaly (Plates X-XI), 164.

Photographs of William Harvey and Michael Servetus, 166.

Figures showing ligated vessels of the arm (Figs. 1-2), 172.

Hemorrhagic cyst of thyroid gland (Figs. 1-6), 180-183.

Utero-vaginal prolapse (Fig. 7), 185.

Canine neoplasm (Figs. 8-31), 186-195.

Hernia in dogs (Figs. 32-33), 196-197.

Vaginal cysts (Figs. 1-21), 208-216.

Force of contraction of the gall-bladder (Plates XII-XIII, Figs. 1-7), 236.

Situs transversus and atresia of the pylorus (Figs. 1-3), 252-253.

Needle and clamp for injecting lymphatics (Figs. 1-4), 274.

Marcello Malpighi (Plate XIV), 275.

Typhoid appendicitis without other intestinal lesions (Plate XV, Figs. 1-4), 286.

Movability of the heart in pneumothorax (Figs. 1-3), 301-302.

Acquired cyst of the conjunctiva containing an embryonic tooth-like structure, 309.

Carcinoma of the prostate (Plates XVI-XVII, Figs. 1-8), 320.

Unusually large aortic aneurysm (Plate XVIII, Figs. 1-4), 332.

Figures showing position of palpable mass or tumor in cases of pancreatitis, 356-360.

Diaphragmatic grooves on the liver, 369, 373 (Plate XIX, Figs. 1-6), 376.

Cardiograms obtained from a case of operative defect in the chest wall, (Plate XX, Figs. 1-4), 397.

Fibroma of abdominal wall (Fig. 1), 398; Primary carcinoma of the right Fallopian tube (Fig. 2), 399; Accessory and twisted omentum (Fig. 3), 400.

ERRATUM.

In Dr. John W. Dewis's letter, on page 199 of the BULLETIN, the signature should have been John W. Dewis, instead of John W. Lewis, as printed.

THE JOHNS HOPKINS HOSPITAL REPORTS.

VOLUME I. 423 pages, 99 plates.

VOLUME II. 570 pages, with 28 plates and figures.

VOLUME III. 766 pages, with 69 plates and figures.

VOLUME IV. 504 pages, 33 charts and illustrations.

Report on Typhoid Fever.

By WILLIAM OSLER, M. D., with additional papers by W. S. THAYER, M. D., and J. HEWETSON, M. D.

Report in Neurology.

Dementia Paralytica in the Negro Race; Studies in the Histology of the Liver; The Intrinsic Pulmonary Nerves in Mammalia; The Intrinsic Nerve Supply of the Cardiac Ventricles in Certain Vertebrates; The Intrinsic Nerves of the Submaxillary Gland of *Mus musculus;* The Intrinsic Nerves of the Thyroid Gland of the Dog; The Nerve Elements of the Pituitary Gland. By HENRY J. BERKLEY, M. D.

Report in Surgery.

The Results of Operations for the Cure of Cancer of the Breast from June, 1889, to January, 1894. By W. S. HALSTED, M. D.

Report in Gynecology.

Hydrosalpinx, with a report of twenty-seven cases; Post-Operative Septic Peritonitis; Tuberculosis of the Endometrium. By T. S. CULLEN, M. B.

Report in Pathology.

Deciduoma Malignum. By J. WHITRIDGE WILLIAMS, M. D.

VOLUME V. 480 pages, with 32 charts and illustrations.

CONTENTS:

The Malarial Fevers of Baltimore. By W. S. THAYER, M. D., and J. HEWETSON, M. D.

A Study of some Fatal Cases of Malaria. By LEWELLYS F. BARKER, M. B.

Studies in Typhoid Fever.

By WILLIAM OSLER, M. D., with additional papers by G. BLUMER, M. D., SIMON FLEXNER, M. D., WALTER REED, M. D., and H. C. PARSONS, M. D.

VOLUME VI. 414 pages, with 79 plates and figures.

Report in Neurology.

Studies on the Lesions Produced by the Action of Certain Poisons on the Cortical Nerve Cell (Studies Nos. I to V). By HENRY J. BERKLEY, M. D.

Introductory.—Recent Literature on the Pathology of Diseases of the Brain by the Chromate of Silver Methods; Part I.—Alcohol Poisoning.—Experimental Lesions produced by Chronic Alcoholic Poisoning (Ethyl Alcohol). 2. Experimental Lesions produced by Acute Alcoholic Poisoning (Ethyl Alcohol); Part II.—Serum Poisoning.—Experimental Lesions induced by the Action of the Dog's Serum on the Cortical Nerve Cell; Part III.—Ricin Poisoning.—Experimental Lesions induced by Acute Ricin Poisoning. 2. Experimental Lesions induced by Chronic Ricin Poisoning; Part IV.—Hydrophobic Toxæmia.—Lesions of the Cortical Nerve Cell produced by the Toxine of Experimental Rabies; Part V.—Pathological Alterations in the Nuclei and Nucleoli of Nerve Cells from the Effects of Alcohol and Ricin Intoxication; Nerve Fibre Terminal Apparatus; Asthenic Bulbar Paralysis. By HENRY J. BERKLEY, M. D.

Report in Pathology.

Fatal Puerperal Sepsis due to the Introduction of an Elm Tent. By THOMAS S. CULLEN, M. B.

Pregnancy in a Rudimentary Uterine Horn. Rupture, Death, Probable Migration of Ovum and Spermatozoa. By THOMAS S. CULLEN, M. B., and G. L. WILKINS, M. D.

Adeno-Myoma Uteri Diffusum Benignum. By THOMAS S. CULLEN, M. B.

A Bacteriological and Anatomical Study of the Summer Diarrhœas of Infants. By WILLIAM D. BOOKER, M. D.

The Pathology of Toxalbumin Intoxications. By SIMON FLEXNER, M. D.

VOLUME VII. 537 pages with illustrations.

I. A Critical Review of Seventeen Hundred Cases of Abdominal Section from the standpoint of Intra-peritoneal Drainage. By J. G. CLARK, M. D.

II. The Etiology and Structure of true Vaginal Cysts. By JAMES ERNEST STOKES, M. D.

III. A Review of the Pathology of Superficial Burns, with a Contribution to our Knowledge of the Pathological Changes in the Organs in cases of rapidly fatal burns. By CHARLES RUSSELL BARDEEN, M. D.

IV. The Origin, Growth and Fate of the Corpus Luteum. By J. G. CLARK, M. D.

V. The Results of Operations for the Cure of Inguinal Hernia. By JOSEPH C. BLOODGOOD, M. D.

VOLUME VIII. 552 pages with illustrations.

On the role of Insects, Arachnids, and Myriapods as carriers in the spread of Bacterial and Parasitic Diseases of Man and Animals. By GEORGE H. F. NUTTALL, M. D., PH. D.

Studies in Typhoid Fever.

By WILLIAM OSLER, M. D., with additional papers by J. M. T. FINNEY, M. D., S. FLEXNER, M. D., I. P. LYON, M. D., L. P. HAMBURGER, M. D., H. W. CUSHING, M. D., J. F. MITCHELL, M. D., C. N. B. CAMAC, M. D., N. B. GWYN, M. D., CHARLES P. EMERSON, M. D., H. H. YOUNG, M. D., and W. S. THAYER, M. D.

VOLUME IX. 1060 pages, 66 plates and 210 other illustrations.

Contributions to the Science of Medicine.

Dedicated by his Pupils to WILLIAM HENRY WELCH, on the twenty-fifth anniversary of his Doctorate. This volume contains 38 separate papers.

VOLUME X. 516 pages, 12 plates and 25 charts.

Structure of the Malarial Parasites. Plate I. By JESSE W. LAZEAR, M. D.

The Bacteriology of Cystitis, Pyelitis and Pyelonephritis in Women, with a Consideration of the Accessory Etiological Factors in these Conditions, and of the Various Chemical and Microscopical Questions involved. By THOMAS R. BROWN, M. D.

Cases of Infection with Strongyloides Intestinalis. (First Reported Occurrence in North America.) Plates II and III. By RICHARD P. STRONG, M. D.

On the Pathological Changes in Hodgkin's Disease, with Especial Reference to its Relation to Tuberculosis. Plates IV-VII. By DOROTHY M. REED, M. D.

Diabetes Insipidus, with a Report of Five Cases. By THOMAS B. FUTCHER, M. B. (Tor.).

Observations on the Origin and Occurrence of Cells with Eosinophile Granulations in Normal and Pathological Tissues. Plate VIII. By W. T. HOWARD, M. D., and R. G. PERKINS, M. D.

Placental Transmissions, with Report of a Case during Typhoid Fever. By FRANK W. LYNCH, M. D.

Metabolism in Albuminuria. By CHAS. P. EMERSON, A. B., M. D.

Regenerative Changes in the Liver after Acute Yellow Atrophy. Plates IX-XII. By W. G. MACCALLUM, M. D.

Surgical Features of Typhoid Fever. By THOS. MCCRAE, M. B., M. R. C. P. (Lond.), and JAMES F. MITCHELL, M. D.

The Symptoms, Diagnosis and Surgical Treatment of Ureteral Calculus. By BENJAMIN R. SCHENCK, M. D.

VOLUME XI. 555 pages, with 38 charts and illustrations.

Pneumothorax: A historical, clinical and experimental study. By CHARLES P. EMERSON, M. D.

Clinical Observations on Blood Pressure. By HENRY W. COOK, M. D., and JOHN B. BRIGGS, M. D.

The value of Tuberculin in Surgical Diagnosis. By MARTIN B. TINKER, M. D.

VOLUME XII. 548 pages, 12 plates and other illustrations. (Now ready.)

The Connective Tissue of the Salivary Glands and Pancreas with its Development in the Glandula Submaxillaris. Plates I-III. By JOSEPH MARSHALL FLINT, M. D.

A New Instrument for Determining the Minimum and Maximum Blood-Pressures in Man. Plates IV-X. By JOSEPH ERLANGER, M. D.

Metabolism in Pregnancy, Labor, and the Puerperium. By J. MORRIS SLEMONS, M. D.

An Experimental Study of Blood-Pressure and of Pulse-Pressure in Man. Plates XI and XII. By JOSEPH ERLANGER, M. D., and DONALD R. HOOKER, A. B., M. S.

Typhoid Meningitis. By RUFUS I. COLE, M. D.

The Pathological Anatomy of Meningitis due to Bacillus Typhosus. By WILLIAM G. MACCALLUM, M. D.

A Comparative Study of White and Negro Pelves, with a Consideration of the Size of the Child and Its Relation to Presentation and Character of Labor in the Two Races. By THEODORE F. RIGGS, M. D.

Renal Tuberculosis. By GEORGE WALKER, M. D.

The Johns Hopkins Hospital Bulletins are issued monthly. They are printed by the FRIEDENWALD CO., Baltimore. Single copies may be procured from NUNN & CO. and the BALTIMORE NEWS CO., Baltimore. Subscriptions, $2.00 a year, may be addressed to the publishers, THE JOHNS HOPKINS PRESS, BALTIMORE; single copies will be sent by mail for twenty-five cents each.